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IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

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**1. Special Section on Bioinformatics and Computational Biology**

Zheng, H.; Wiese, K.C.; Azuaje, F.;  
 NanoBioscience, IEEE Transactions on  
 Volume 4, Issue 3, Sept. 2005 Page(s):205 - 206  
 Digital Object Identifier 10.1109/TNB.2005.853643  
[AbstractPlus](#) | Full Text: [PDF](#)(232 KB) IEEE JNL

**2. Cellular automata with object-oriented features for parallel molecular network modeling**

Hao Zhu; Yinghui Wu; Sui Huang; Yan Sun; Dhar, P.;  
 NanoBioscience, IEEE Transactions on  
 Volume 4, Issue 2, June 2005 Page(s):141 - 148  
 Digital Object Identifier 10.1109/TNB.2005.850473  
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(344 KB) IEEE JNL

**3. CSB 2004 Table of Contents**

Computational Systems Bioinformatics Conference, 2004. CSB 2004. Proceedings. 2004 IEEE  
 16-19 Aug. 2004 Page(s):vi - xvi  
 Digital Object Identifier 10.1109/CSB.2004.1332401  
 Full Text: [PDF](#)(213 KB) IEEE CNF

**4. Integrating ontology and workflow in PROTEUS, a grid-based problem solving environment for bioinformatics**

Cannataro, M.; Comito, C.; Guzzo, A.; Veltri, P.;  
 Information Technology: Coding and Computing, 2004. Proceedings. ITCC 2004. International  
 Conference on  
 Volume 2, 2004 Page(s):90 - 94 Vol.2  
 Digital Object Identifier 10.1109/ITCC.2004.1286595  
[AbstractPlus](#) | Full Text: [PDF](#)(1353 KB) IEEE CNF

**5. A system architecture assisting user trial-and-error process in in-silico drug design**

Maeno, T.; Date, S.; Kido, Y.; Hasegawa, I.; Shimojo, S.;  
 High Performance Computing and Grid in Asia Pacific Region, 2004. Proceedings. Seventh  
 International Conference on  
 20-22 July 2004 Page(s):357 - 364  
 Digital Object Identifier 10.1109/HPCASIA.2004.1324058  
[AbstractPlus](#) | Full Text: [PDF](#)(324 KB) IEEE CNF

**6. Construct a grid computing environment for bioinformatics**

Yu-Lun Kuo; Chao-Tung Yang; Chuan-Lin Lai; Tsai-Ming Tseng;

Parallel Architectures, Algorithms and Networks, 2004. Proceedings. 7th International Symposium on

10-12 May 2004 Page(s):339 - 344

Digital Object Identifier 10.1109/ISPAN.2004.1300502

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IEEE STD IEEE Standard

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- ☐ **1. The application of grid technology in systems biology: parameter estimation**  
 Dhar, P.K.;  
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 20-22 July 2004 Page(s):373 - 377  
 Digital Object Identifier 10.1109/HPCASIA.2004.1324060  
[AbstractPlus](#) | Full Text: [PDF](#)(398 KB) IEEE CNF
- ☐ **2. A system architecture assisting user trial-and-error process in in-silico drug design**  
 Maeno, T.; Date, S.; Kido, Y.; Hasegawa, I.; Shimojo, S.;  
 High Performance Computing and Grid in Asia Pacific Region, 2004. Proceedings. Seventh International Conference on  
 20-22 July 2004 Page(s):357 - 364  
 Digital Object Identifier 10.1109/HPCASIA.2004.1324058  
[AbstractPlus](#) | Full Text: [PDF](#)(324 KB) IEEE CNF
- ☐ **3. Construct a grid computing environment for bioinformatics**  
 Yu-Lun Kuo; Chao-Tung Yang; Chuan-Lin Lai; Tsai-Ming Tseng;  
 Parallel Architectures, Algorithms and Networks, 2004. Proceedings. 7th International Symposium on  
 10-12 May 2004 Page(s):339 - 344  
 Digital Object Identifier 10.1109/ISPAN.2004.1300502  
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Proceedings of the IEEE

Volume 90, Issue 12, Dec. 2002 Page(s):1911 - 1921

Digital Object Identifier 10.1109/JPROC.2002.1058235

[AbstractPlus](#) | Full Text: [PDF](#)(260 KB) | Full Text: [HTML](#) IEEE JNL**2. Complex adaptive systems: concepts and power industry applications**

Wildberger, A.M.;

Control Systems Magazine, IEEE

Volume 17, Issue 6, Dec. 1997 Page(s):77 - 88

Digital Object Identifier 10.1109/37.642976

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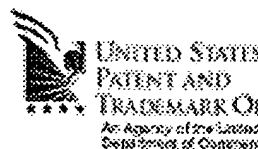
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6994867, C2001-09-7330-208; 20010730.

#### Title

Large-scale virtual screening for discovering leads in the postgenomic era.

#### Author(s)

Waszkowycz-B; Perkins-T-D-J; Sykes-R-A; Li-J.

#### Author affiliation

Protherics **Molecular** Design Ltd, Macclesfield, UK.

#### Source

IBM-Systems-Journal (USA), vol.40, no.2, p.360-76, 2001. , Published: IBM.

#### CODEN

IBMSA7.

#### ISSN

ISSN: 0018-8670.

#### Availability

SICI: 0018-8670(2001)40:2L:360:LSVS; 1-0.

#### Publication year

2001.

#### Language

EN.

#### Publication type

J Journal Paper.

#### Treatment codes

A Application; P Practical.

#### Abstract

Virtual screening, or in **silico** screening, is a new approach attracting increasing levels of interest in the pharmaceutical industry as a productive and cost-effective technology in the search for novel lead compounds. Although the principles involved-the computational analysis of chemical databases to identify compounds appropriate for a given biological receptor-have been pursued for several years in **molecular modeling** groups, the availability of inexpensive high-performance computing platforms has transformed the process so that increasingly complex and more accurate analyses can be performed on very large data sets. The virtual screening technology of Protherics **Molecular** Design

Ltd. is based on its integrated software environment for receptor-based drug design, called Prometheus. In particular, **molecular** docking is used to predict the binding modes and binding affinities of every compound in the data set to a given biological receptor. This method represents a very detailed and relevant basis for prioritizing compounds for biological screening. This paper discusses the broader scope of virtual screening and, as an example, describes our recent work in docking one million compounds into the estrogen hormone receptor in order to highlight the technical feasibility of performing very large-scale virtual screening as a route to identifying novel drug leads. (31 refs).

**Descriptors**

biocomputing; integrated-software; medical-computing; pharmaceutical-industry; programming-environments.

**Keywords**

large scale virtual screening; postgenomic era; virtual screening; pharmaceutical industry; chemical databases; biological receptor; **molecular modeling** groups; high performance computing platforms; virtual screening technology; integrated software environment; receptor based drug design; Prometheus; **molecular** docking.

**Classification codes**

C7330 (Biology and medical computing).

C6115 (Programming support).

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### 1 [Analysis and Performance Results of a Molecular Modeling Application on Merrimac](#)

Mattan Erez, Jung Ho Ahn, Ankit Garg, William J. Dally, Eric Darve

November 2004 **Proceedings of the 2004 ACM/IEEE conference on Supercomputing**

Full text available: pdf(8.74 MB)

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The Merrimac supercomputer uses stream processors and a high-radix network to achieve high performance at low cost and low power. The stream architecture matches the capabilities of modern semiconductor technology with compute-intensive parallel applications. We present a detailed case study of porting the GROMACS molecular-dynamics force calculation to Merrimac. The characteristics of the architecture which stress locality, parallelism, and decoupling of memory operations and computation, allow ...

### 2 [Data engineering for life sciences: A distributed database for bio-molecular images](#)

Ambuj K. Singh, B. S. Manjunath, Robert F. Murphy

June 2004 **ACM SIGMOD Record**, Volume 33 Issue 2

Full text available: pdf(12.37 MB)

Additional Information: [full citation](#), [abstract](#), [references](#)

Information technology research has played a significant role in the genomics revolution over the past decade, from aiding with large-scale sequence assembly to automating gene identification to efficiently searching databases by sequence similarity. The tremendous amount of information gathered from genomics will be dwarfed in the next decade by the knowledge to be gained from comprehensive, systematic studies of the properties and behaviors of all proteins and other biomolecules. High-resoluti ...

### 3 [Applications of visualization: DNA in Virtuo visualization and exploration of 3D genomic structures](#)

J. Hérisson, P. E. Gros, N. Férey, O. Magneau, R. Gherbi

November 2004 **Proceedings of the 3rd international conference on Computer graphics, virtual reality, visualisation and interaction in Africa**

Full text available: pdf(293.48 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

In this paper, we address the potential offered by Virtual Reality and scientific simulation for 3D modeling and immersive visualization of huge genomic sequences. Advanced work on 3D data modeling and structuring is proposed. In Bioinformatics, DNA sequences are often represented within linear format. However, they also have a three-dimensional structure potentially suitable for genomic analysis. The representation of such 3D structure allows biologists to observe and analyze genomes in an i ...

**Keywords:** 3D modeling, bioinformatics, human-computer interaction, scientific visualization, virtual reality

4 Visualization: PathSim visualizer: an Information-Rich Virtual Environment framework for systems biology



Nicholas F. Polys, Doug A. Bowman, Chris North, Reinhard Laubenbacher, Karen Duca

April 2004 **Proceedings of the ninth international conference on 3D Web technology**

Full text available:  [pdf\(423.88 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Increasingly, biology researchers and medical practitioners are using computational tools to model and analyze dynamic systems across scales from the macro to the cellular to the biochemical level. We are using Information-Rich Virtual Environments (IRVEs) to display the results of biological simulations, and to allow users to interact with those simulations. While simulation architectures, algorithms, and processing power have enjoyed continuous optimization to date, the user interfaces to these ...

**Keywords:** bioinformatics, information visualization, virtual environments

5 Bioinformatics: A hypothesis driven approach to condition specific transcription factor binding site characterization in S.c.



Rhonda Harrison, Charles DeLisi

March 2002 **Proceedings of the 2002 ACM symposium on Applied computing**

Full text available:  [pdf\(670.68 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We demonstrate a computational process by which transcription factor binding sites can be elucidated using genome-wide expression and binding profiles. The profiles direct us to the intergenic locations likely to contain the promoter regions for a given factor. These sequences are multiply and locally aligned to give an anchor motif from which further characterization can take place. We present bases for and assumptions about the variability within these motifs which give rise to potentially more ...

6 Protein Explorer: A Petaflops Special-Purpose Computer System for Molecular Dynamics Simulations



Makoto Taiji, Tetsu Narumi, Yousuke Ohno, Noriyuki Futatsugi, Atsushi Suenaga, Naoki Takada, Akihiko Konagaya

November 2003 **Proceedings of the 2003 ACM/IEEE conference on Supercomputing**

Full text available:  [pdf\(194.71 KB\)](#) Additional Information: [full citation](#), [abstract](#)

We are developing the 'Protein Explorer' system, a petaflops special-purpose computer system for molecular dynamics simulations. The Protein Explorer is a PC cluster equipped with special-purpose engines that calculate nonbonded interactions between atoms, which is the most time-consuming part of the simulations. A dedicated LSI 'MDGRAPE-3 chip' performs these force calculations at a speed of 165 gigaflops or higher. The system will have 6,144 MDGRAPE-3 chips to achieve a nominal peak performance ...

7 Let the shoemaker make the shoes - an abstraction layer is needed between bioinformatic analysis, tools, data, and equipment: an agenda for the next 5 years



Tariq Segal, Ross Barnard

January 2003 **Proceedings of the First Asia-Pacific bioinformatics conference on Bioinformatics 2003 - Volume 19 CRPITS '03**

Full text available:  [pdf\(347.49 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bioinformatic tool development is being driven by individual efforts which while extending


the boundaries of what is possible, are constrained by the framework in which the tools are being defined. This is resulting in a slower development process, as well as tools that operate independently of other tools, and suffer inconsistent interfaces in terminology, layout, level of standards compatibility, stability, etc. The utility of these tools could be increased with better planning and development ...

**Keywords:** abstraction layer, bioinformatics, framework, tools

8 Computational models: BLOB computing

Frédéric Gruau, Yves Lhuillier, Philippe Reitz, Olivier Temam

April 2004 **Proceedings of the 1st conference on Computing frontiers**

Full text available:  [pdf\(1.02 MB\)](#)

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Current processor and multiprocessor architectures are almost all based on the Von Neumann paradigm. Based on this paradigm, one can build a general-purpose computer using very few transistors, e.g., 2250 transistors in the first Intel 4004 microprocessor. In other terms, the notion that on-chip space is a scarce resource is at the root of this paradigm which trades on-chip space for program execution time. Today, technology considerably relaxed this space constraint. Still, few research works q ...

**Keywords:** bio-inspiration, cellular automata, scalable architectures

9 Special section on semantic web and data management: The Grid: an application of the semantic web

Carole Goble, David De Roure

December 2002 **ACM SIGMOD Record**, Volume 31 Issue 4

Full text available:  [pdf\(600.40 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#)

The Grid is an emerging platform to support on-demand "virtual organisations" for coordinated resource sharing and problem solving on a global scale. The application thrust is large-scale scientific endeavour, and the scale and complexity of scientific data presents challenges for databases. The Grid is beginning to exploit technologies developed for Web Services and to realise its potential it also stands to benefit from Semantic Web technologies; conversely, the Grid and its scientific users p ...

10 A search engine for 3D models

Thomas Funkhouser, Patrick Min, Michael Kazhdan, Joyce Chen, Alex Halderman, David Dobkin, David Jacobs

January 2003 **ACM Transactions on Graphics (TOG)**, Volume 22 Issue 1

Full text available:  [pdf\(7.91 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


As the number of 3D models available on the Web grows, there is an increasing need for a search engine to help people find them. Unfortunately, traditional text-based search techniques are not always effective for 3D data. In this article, we investigate new shape-based search methods. The key challenges are to develop query methods simple enough for novice users and matching algorithms robust enough to work for arbitrary polygonal models. We present a Web-based search engine system that support ...

**Keywords:** Search engine, shape matching, shape representation, shape retrieval

11 A perturbation scheme for spherical arrangements with application to molecular modeling

Dan Halperin, Christian R. Shelton

August 1997 **Proceedings of the thirteenth annual symposium on Computational geometry**

Full text available:  [pdf\(1.31 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

12 A display system for the Stellar graphics supercomputer model GS1000

Brian Apgar, Bret Bersack, Abraham Mammen

June 1988 **ACM SIGGRAPH Computer Graphics , Proceedings of the 15th annual conference on Computer graphics and interactive techniques**, Volume 22 Issue 4

Full text available:  [pdf\(826.23 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes a high performance display system that has been incorporated into the overall architecture of the Stellar Graphics Supercomputer Model GS1000. The display system is tightly coupled to the CPU, memory system and vector processing unit of this supercomputer, and is capable of rendering 150,000 shaded triangles/sec, and 600,000 short vectors/sec. The goal of the architecture is to share hardware resources between the CPU and display system and achieve a high bandwidth connectio ...

13 Libraries and applications: Performance modeling and optimization of parallel out-of-core tensor contractions

Xiaoyang Gao, Swarup Kumar Sahoo, Chi-Chung Lam, J. Ramanujam, Qingda Lu, Gerald Baumgartner, P. Sadayappan

June 2005 **Proceedings of the tenth ACM SIGPLAN symposium on Principles and practice of parallel programming**

Full text available:  [pdf\(136.72 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


The Tensor Contraction Engine (TCE) is a domain-specific compiler for implementing complex tensor contraction expressions arising in quantum chemistry applications modeling electronic structure. This paper develops a performance model for tensor contractions, considering both disk I/O as well as inter-processor communication costs, to facilitate performance-model driven loop optimization for this domain. Experimental results are provided that demonstrate the accuracy and effectiveness of the mod ...

**Keywords:** compiler optimization, out-of-core algorithms, parallel algorithms, performance modeling

14 Interactive modeling enhanced with constraints and physics with applications in molecular modeling

Mark C. Surles

June 1992 **Proceedings of the 1992 symposium on Interactive 3D graphics**


Full text available:  [pdf\(1.14 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

15 Parallel execution of prolog programs: a survey

Gopal Gupta, Enrico Pontelli, Khayri A.M. Ali, Mats Carlsson, Manuel V. Hermenegildo

July 2001 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 23 Issue 4

Full text available:  [pdf\(1.95 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Since the early days of logic programming, researchers in the field realized the potential for exploitation of parallelism present in the execution of logic programs. Their high-level



nature, the presence of nondeterminism, and their referential transparency, among other characteristics, make logic programs interesting candidates for obtaining speedups through parallel execution. At the same time, the fact that the typical applications of logic programming frequently involve irregular computatio ...

**Keywords:** Automatic parallelization, constraint programming, logic programming, parallelism, prolog

#### 16 Graphics rendering architecture for a high performance desktop workstation

Chandlee B. Harrell, Farhad Fouladi

September 1993 **Proceedings of the 20th annual conference on Computer graphics and interactive techniques**


Full text available:  pdf(346.15 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



#### 17 Modeling dependencies in protein-DNA binding sites

Yoseph Barash, Gal Elidan, Nir Friedman, Tommy Kaplan

April 2003 **Proceedings of the seventh annual international conference on Research in computational molecular biology RECOMB '03**

Full text available:  pdf(411.94 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)




The availability of whole genome sequences and high-throughput genomic assays opens the door for *in silico* analysis of transcription regulation. This includes methods for discovering and characterizing the binding sites of DNA-binding proteins, such as transcription factors. A common representation of transcription factor binding sites is a *position specific score matrix* (PSSM). This representation makes the strong assumption that binding site positions are independent of each other ...

**Keywords:** DNA sequence motifs, bayesian networks, factors binding sites, transcription

#### 18 Performance Prediction Using Simulation of Large-Scale Interconnection Networks in POSE

Terry L. Wilmarth, Gengbin Zheng, Eric J. Bohm, Yogesh Mehta, Nilesh Choudhury, Praveen Jagadishprasad, Laxmikant V. Kale

June 2005 **Proceedings of the 19th Workshop on Principles of Advanced and Distributed Simulation PADS '05**

Full text available:  pdf(146.35 KB) Additional Information: [full citation](#), [abstract](#)



Parallel discrete event simulation (PDES) of models with fine-grained computation remains a challenging problem. We explore the usage of POSE, our Parallel Object-oriented Simulation Environment, for application performance prediction on large parallel machines such as BlueGene. This study involves the simulation of communication at the packet level through a detailed network model. This presents an extremely fine-grained simulation: events correspond to the transmission and receipt of packets. ...

#### 19 Project GROPE Haptic displays for scientific visualization

Frederick P. Brooks, Ming Ouh-Young, James J. Batter, P. Jerome Kilpatrick

September 1990 **ACM SIGGRAPH Computer Graphics, Proceedings of the 17th annual conference on Computer graphics and interactive techniques**, Volume 24 Issue 4

Full text available:  pdf(3.06 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



We began in 1967 a project to develop a haptic+display for 6-D force fields of interacting protein molecules. We approached it in four stages: a 2-D system, a 3-D system tested with a simple task, a 6-D system tested with a simple task, and a full 6-D molecular docking system, our initial goal. This paper summarizes the entire project---the four systems, the evaluation experiments, the results, and our observations. The molecular docking system results are new. Our principal conclusions are:& ...

## 20 Finding motifs using random projections

Jeremy Buhler, Martin Tompa

April 2001 **Proceedings of the fifth annual international conference on Computational biology**

Full text available:  [pdf \(147.11 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Pevzner and Sze [23] considered a precise version of the motif discovery problem and simultaneously issued an algorithmic challenge: find a motif  $M$  of length 15, where each planted instance differs from  $M$  in 4 positions. Whereas previous algorithms all failed to solve this (15,4)-motif problem. Pevzner and Sze introduced algorithms that succeeded. However, their algorithms failed to solve the considerably more difficult (14,4)-, (16,5)-, and (18,6)-motif problems.

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 Jeffrey Augen  
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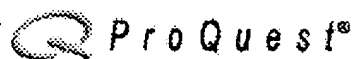
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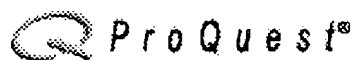
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TITLE: High throughput screening methods for fuel compositions

PUBLICATION-DATE: August 18, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Wollenberg</u> , Robert H.	Orinda	CA	US

US-CL-CURRENT: 702/22; 436/139

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PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050181515 A1

TITLE: High throughput screening methods for lubricating oil compositions

PUBLICATION-DATE: August 18, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Wollenberg</u> , Robert H.	Orinda	CA	US

US-CL-CURRENT: 436/139; 436/518, 702/19

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KWOC</a>	<a href="#">Draw Desc</a>	<a href="#">Image</a>
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TITLE: High throughput screening methods for lubricating oil compositions

PUBLICATION-DATE: August 18, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Wollenberg</u> , Robert H.	Orinda	CA	US

US-CL-CURRENT: 436/60; 422/63, 422/68.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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Aug 18, 2005

PGPUB-DOCUMENT-NUMBER: 20050178190  
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DOCUMENT-IDENTIFIER: US 20050178190 A1

TITLE: High throughput screening methods for lubricating oil compositions

PUBLICATION-DATE: August 18, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Wollenberg</u> , Robert H.	Orinda	CA	US

US-CL-CURRENT: 73/53.01

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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DOCUMENT-IDENTIFIER: US 20050096895 A1

TITLE: Method and system of product development process for chemical compositions using high volume modeling

PUBLICATION-DATE: May 5, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Wollenberg</u> , Robert H.	Orinda	CA	US
Balk, Thomas J.	San Francisco	CA	US

US-CL-CURRENT: 703/22

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PGPUB-DOCUMENT-NUMBER: 20050095718

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050095718 A1

TITLE: Combinatorial lubricating oil composition libraries

PUBLICATION-DATE: May 5, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Wollenberg</u> , Robert H.	Orinda	CA	US
Balk, Thomas J.	San Francisco	CA	US

US-CL-CURRENT: 436/60; 436/55, 508/110

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWOC	Draw Desc	Image
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PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050095717 A1

TITLE: High throughput screening methods for lubricating oil compositions

PUBLICATION-DATE: May 5, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Wollenberg</u> , Robert H.	Orinda	CA	US
Balk, Thomas J.	San Francisco	CA	US

US-CL-CURRENT: 436/60; 422/61

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWOC	Draw Desc	Image
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May 5, 2005

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PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050095716 A1

TITLE: High throughput screening methods for lubricating oil compositions

PUBLICATION-DATE: May 5, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Wollenberg</u> , Robert H.	Orinda	CA	US
Balk, Thomas J.	San Francisco	CA	US

US-CL-CURRENT: 436/60; 422/61

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PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050095714 A1

TITLE: High throughput preparation of lubricating oil compositions for combinatorial libraries

PUBLICATION-DATE: May 5, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Wollenberg</u> , Robert H.	Orinda	CA	US
Balk, Thomas J.	San Francisco	CA	US

US-CL-CURRENT: 436/55; 422/62

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DOCUMENT-IDENTIFIER: US 20050092072 A1

TITLE: High throughput screening methods for lubricating oil compositions

PUBLICATION-DATE: May 5, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wollenberg, Robert H.	Orinda	CA	US
Balk, Thomas J.	San Francisco	CA	US

US-CL-CURRENT: 73/53.05

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DOCUMENT-IDENTIFIER: US 20050096895 A1

TITLE: Method and system of product development process for chemical compositions using high volume modeling

PUBLICATION-DATE: May 5, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wollenberg, Robert H.	Orinda	CA	US
Balk, Thomas J.	San Francisco	CA	US

US-CL-CURRENT: 703/22

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K/MC	Draw Desc	Image
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TITLE: Microrna as ligands and target molecules

PUBLICATION-DATE: June 30, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Griffey, Richard H.	Vista	CA	US
Bennett, C. Frank	Carlsbad	CA	US
Ecker, David J.	Encinitas	CA	US
Ward, Donna T.	Carlsbad	CA	US
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PGPUB-DOCUMENT-NUMBER: 20050096895

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050096895 A1

TITLE: Method and system of product development process for chemical compositions using high volume modeling

PUBLICATION-DATE: May 5, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wollenberg, Robert H.	Orinda	CA	US
Balk, Thomas J.	San Francisco	CA	US

US-CL-CURRENT: 703/22

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 3. Document ID: US 20030130179 A1

L5: Entry 3 of 4

File: PGPB

Jul 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030130179

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030130179 A1

TITLE: Methods for identifying therapeutic targets for treating infectious disease

PUBLICATION-DATE: July 10, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Shepard, H. Michael	Encinitas	CA	US
Lackey, David B.	San Diego	CA	US
Cathers, Brian E.	San Diego	CA	US
Sergeeva, Maria V.	San Diego	CA	US

US-CL-CURRENT: 514/12; 435/5, 435/7.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 4. Document ID: US 20030017483 A1

L5: Entry 4 of 4

File: PGPB

Jan 23, 2003

PGPUB-DOCUMENT-NUMBER: 20030017483

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030017483 A1

TITLE: Modulation of molecular interaction sites on RNA and other biomolecules

PUBLICATION-DATE: January 23, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ecker, David J.	Encinitas	CA	US
Griffey, Richard	Vista	CA	US
Crooke, Stanley T.	Carlsbad	CA	US
Sampath, Ranga	San Diego	CA	US
Swayze, Eric	Carlsbad	CA	US
Mohan, Venkatraman	Carlsbad	CA	US
Hofstadler, Steven	Oceanside	CA	US

US-CL-CURRENT: 435/6; 702/20, 703/11

## Hit List

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Search Results - Record(s) 1 through 9 of 9 returned.

☐ 1. Document ID: US 20050196808 A1

Using default format because multiple data bases are involved.

L6: Entry 1 of 9

File: PGPB

Sep 8, 2005

PGPUB-DOCUMENT-NUMBER: 20050196808

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050196808 A1

TITLE: Products and processes for modulating peptide-peptide binding domain interactions

PUBLICATION-DATE: September 8, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Yaffe, Michael B.	West Roxbury	MA	US
Elia, Andrew E. H.	Boston	MA	US
Rellos, Peter	Herts	MA	GB
Cantley, Lewis C.	Cambridge	MA	US
Smerdon, Stephen J.	London		GB
Manke, Isaac	Cambridge		US

US-CL-CURRENT: [435/7.1](#); [702/19](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
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☐ 2. Document ID: US 20050059084 A1

L6: Entry 2 of 9

File: PGPB

Mar 17, 2005

PGPUB-DOCUMENT-NUMBER: 20050059084

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050059084 A1

TITLE: Discordant helix stabilization for prevention of amyloid formation

PUBLICATION-DATE: March 17, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Johansson, Jan	Stockholm		SE

US-CL-CURRENT: [435/7.1](#)



Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 3. Document ID: US 20050031626 A1

L6: Entry 3 of 9

File: PGPB

Feb 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050031626

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050031626 A1

TITLE: Binding agents with differential activity

PUBLICATION-DATE: February 10, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Stevenson, George Telford	Southampton		GB

US-CL-CURRENT: 424/178.1; 530/387.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 4. Document ID: US 20040236075 A1

L6: Entry 4 of 9

File: PGPB

Nov 25, 2004

PGPUB-DOCUMENT-NUMBER: 20040236075

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040236075 A1

TITLE: Novel glass II cytokine receptors, and uses thereof

PUBLICATION-DATE: November 25, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Dumoutier, Laure	Brussels		BE
Renauld, Jean-Christophe	Brussels		BE

US-CL-CURRENT: 530/350; 424/144.1, 530/388.22

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 5. Document ID: US 20040180399 A1

L6: Entry 5 of 9

File: PGPB

Sep 16, 2004

PGPUB-DOCUMENT-NUMBER: 20040180399

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040180399 A1

TITLE: Isolated nucleic acid molecules which encode a soluble IL-TIF/IL-22 receptor or binding protein which binds to IL-TIF/IL-22, and uses thereof

PUBLICATION-DATE: September 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Renauld, Jean-Christophe	Brussels		BE
Dumoutier, Laure	Brussels		BE

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 530/350, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 6. Document ID: US 20040171520 A1

L6: Entry 6 of 9

File: PGPB

Sep 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040171520

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040171520 A1

TITLE: Peptidomimetics of biologically active metallopeptides

PUBLICATION-DATE: September 2, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Sharma, Shubh D.	Cranbury	NJ	US
Shi, Yi-Qun	East Brunswick	NJ	US
Wu, Zhijun	Plainsboro	NJ	US
Rajpurohit, Ramesh	Hillsboro	NJ	US

US-CL-CURRENT: 514/6; 514/184, 702/19

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 7. Document ID: US 20030158100 A1

L6: Entry 7 of 9

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030158100

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030158100 A1

TITLE: Isolated cytokine receptor LICR-2

PUBLICATION-DATE: August 21, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Renauld, Jean-Christophe	Brussels		BE
Fickenscher, Helmut	Erlangen-Nurnberg		DE
Dumoutier, Laure	Brussels		BE
Hor, Simon	Erlangen-Nurnberg		DE

US-CL-CURRENT: 514/12; 435/320.1, 435/325, 435/69.1, 530/350, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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## 8. Document ID: US 20020143105 A1

L6: Entry 8 of 9

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020143105

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020143105 A1

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Search Results - Record(s) 1 through 17 of 17 returned.

☐ 1. Document ID: US 20050196808 A1

Using default format because multiple data bases are involved.

L7: Entry 1 of 17

File: PGPB

Sep 8, 2005

PGPUB-DOCUMENT-NUMBER: 20050196808

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050196808 A1

TITLE: Products and processes for modulating peptide-peptide binding domain interactions

PUBLICATION-DATE: September 8, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Yaffe, Michael B.	West Roxbury	MA	US
Elia, Andrew E. H.	Boston	MA	US
Rellos, Peter	Herts	MA	GB
Cantley, Lewis C.	Cambridge	MA	US
Smerdon, Stephen J.	London		GB
Manke, Isaac	Cambridge		US

US-CL-CURRENT: [435/7.1](#); [702/19](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
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☐ 2. Document ID: US 20050142581 A1

L7: Entry 2 of 17

File: PGPB

Jun 30, 2005

PGPUB-DOCUMENT-NUMBER: 20050142581

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050142581 A1

TITLE: MicroRNA as ligands and target molecules

PUBLICATION-DATE: June 30, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Griffey, Richard H.	Vista	CA	US
Bennett, C. Frank	Carlsbad	CA	US
Ecker, David J.	Encinitas	CA	US

Ward, Donna T. Carlsbad CA US  
Freier, Susan M. San Diego CA US

US-CL-CURRENT: 435/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 3. Document ID: US 20050096895 A1

L7: Entry 3 of 17

File: PGPB

May 5, 2005

PGPUB-DOCUMENT-NUMBER: 20050096895  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20050096895 A1

TITLE: Method and system of product development process for chemical compositions using high volume modeling

PUBLICATION-DATE: May 5, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wollenberg, Robert H.	Orinda	CA	US
Balk, Thomas J.	San Francisco	CA	US

US-CL-CURRENT: 703/22

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 4. Document ID: US 20050059087 A1

L7: Entry 4 of 17

File: PGPB

Mar 17, 2005

PGPUB-DOCUMENT-NUMBER: 20050059087  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20050059087 A1

TITLE: Antibodies directed to the deletion mutants of epidermal growth factor receptor and uses thereof

PUBLICATION-DATE: March 17, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Weber, Richard	San Francisco	CA	US
Feng, Xiao	Union City	CA	US
Foord, Orit	Foster City	CA	US
Green, Larry	San Francisco	CA	US
Gudas, Jean M.	Santa Monica	CA	US
Keyt, Bruce	Hillsborough	CA	US

Liu, Ying	Palo Alto	CA	US
Rathanaswami, Palaniswami	Vancouver	CA	CA
Raya, Robert	Fremont	CA	US
Yang, Xiao Dong	Palo Alto	CA	US
Corvalan, Jose	Foster City	CA	US
Foltz, Ian	Burnaby	CA	CA
Jia, Xiao-Chi	Los Angeles	CA	US
Kang, Jaspal S.	Surrey		CA
King, Chadwick T.	Vancouver		CA
Klakamp, Scott L.	Fremont		US
Su, Qiaojuan Jane	San Jose		US

US-CL-CURRENT: 435/7.1; 435/336, 530/388.15, 530/388.25

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 5. Document ID: US 20050059084 A1

L7: Entry 5 of 17

File: PGPB

Mar 17, 2005

PGPUB-DOCUMENT-NUMBER: 20050059084

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050059084 A1

TITLE: Discordant helix stabilization for prevention of amyloid formation

PUBLICATION-DATE: March 17, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Johansson, Jan	Stockholm		SE

US-CL-CURRENT: 435/7.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 6. Document ID: US 20050053608 A1

L7: Entry 6 of 17

File: PGPB

Mar 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050053608

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050053608 A1

TITLE: Antibodies directed to the deletion mutants of epidermal growth factor receptor and uses thereof

PUBLICATION-DATE: March 10, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Weber, Richard	San Francisco	CA	US
Feng, Xiao	Union City	CA	US
Foord, Orit	Foster City	CA	US
Green, Larry	San Francisco	CA	US
Gudas, Jean M.	Santa Monica	CA	US
Keyt, Bruce	Hillsborough	CA	US
Liu, Ying	Palo Alto	CA	US
Rathanaswami, Palaniswami	Vancouver	CA	CA
Raya, Robert	Fremont	CA	US
Yang, Xiao Dong	Palo Alto	CA	US
Corvalan, Jose	Foster City	CA	US
Foltz, Ian	Burnaby	CA	CA
Jia, Xiao-Chi	Los Angeles	CA	US
Kang, Jaspal S.	Surrey		CA
King, Chadwick T.	Vancouver		CA
Klakamp, Scott L.	Fremont		US
Su, Qiaojuan Jane	San Jose		US

US-CL-CURRENT: [424/155.1](#); [424/178.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 7. Document ID: US 20050031626 A1

L7: Entry 7 of 17

File: PGPB

Feb 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050031626

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050031626 A1

TITLE: Binding agents with differential activity

PUBLICATION-DATE: February 10, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Stevenson, George Telford	Southampton		GB

US-CL-CURRENT: [424/178.1](#); [530/387.3](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 8. Document ID: US 20050009849 A1

L7: Entry 8 of 17

File: PGPB

Jan 13, 2005

PGPUB-DOCUMENT-NUMBER: 20050009849

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050009849 A1

TITLE: Pyridopyrimidine kinase inhibitors

PUBLICATION-DATE: January 13, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Veach, Darren R.	New York	NY	US
Bornmann, William	New York	NY	US
Clarkson, Bayard D.	New York	NY	US
Bubonoff, Nikolas von	Munich		DE
Duyster, Justus	Munich		DE

US-CL-CURRENT: 514/264.11; 544/280

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 9. Document ID: US 20040236075 A1

L7: Entry 9 of 17

File: PGPB

Nov 25, 2004

PGPUB-DOCUMENT-NUMBER: 20040236075

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040236075 A1

TITLE: Novel glass II cytokine receptors, and uses thereof

PUBLICATION-DATE: November 25, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Dumoutier, Laure	Brussels		BE
Renauld, Jean-Christophe	Brussels		BE

US-CL-CURRENT: 530/350; 424/144.1, 530/388.22

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 10. Document ID: US 20040180399 A1

L7: Entry 10 of 17

File: PGPB

Sep 16, 2004

PGPUB-DOCUMENT-NUMBER: 20040180399

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040180399 A1

TITLE: Isolated nucleic acid molecules which encode a soluble IL-TIF/IL-22 receptor or binding protein which binds to IL-TIF/IL-22, and uses thereof



PUBLICATION-DATE: September 16, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Renauld, Jean-Christophe	Brussels		BE
Dumoutier, Laure	Brussels		BE

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 530/350, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 11. Document ID: US 20040171520 A1

L7: Entry 11 of 17

File: PGPB

Sep 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040171520

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040171520 A1

TITLE: Peptidomimetics of biologically active metallopeptides

PUBLICATION-DATE: September 2, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Sharma, Shubh D.	Cranbury	NJ	US
Shi, Yi-Qun	East Brunswick	NJ	US
Wu, Zhijun	Plainsboro	NJ	US
Rajpurohit, Ramesh	Hillsboro	NJ	US

US-CL-CURRENT: 514/6; 514/184, 702/19

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 12. Document ID: US 20040132977 A1

L7: Entry 12 of 17

File: PGPB

Jul 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040132977

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040132977 A1

TITLE: Rational evolution of cytokines for higher stability, the cytokines and encoding nucleic acid molecules

PUBLICATION-DATE: July 8, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Gantier, Rene	Elancourt		FR

Vega, Manuel	Vigneux-sur-Seine	FR
Drittanti, Lila	Vigneux-sur-Seine	FR
Guyon, Thierry	Palaiseau	FR

US-CL-CURRENT: 530/351

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 13. Document ID: US 20030187258 A1

L7: Entry 13 of 17

File: PGPB

Oct 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030187258  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030187258 A1

TITLE: Novel benzimidazole compounds

PUBLICATION-DATE: October 2, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Swayze, Eric E.	Carlsbad	CA	US
He, Yun	Carlsbad	CA	US
Seth, Punit P.	Carlsbad	CA	US
Jefferson, Elizabeth Anne	La Jolla	CA	US

US-CL-CURRENT: 544/184; 544/252, 544/277, 544/360, 544/361, 546/113, 546/114, 546/118, 546/199,  
546/201

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 14. Document ID: US 20030158100 A1

L7: Entry 14 of 17

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030158100  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030158100 A1

TITLE: Isolated cytokine receptor LICR-2

PUBLICATION-DATE: August 21, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Renauld, Jean-Christophe	Brussels		BE
Fickenscher, Helmut	Erlangen-Nurnberg		DE
Dumoutier, Laure	Brussels		BE
Hor, Simon	Erlangen-Nurnberg		DE

US-CL-CURRENT: 514/12; 435/320.1, 435/325, 435/69.1, 530/350, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw Desc	Image
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☐ 15. Document ID: US 20020143105 A1

L7: Entry 15 of 17

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020143105

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020143105 A1

TITLE: Discordant helix stabilization for prevention of amyloid formation

PUBLICATION-DATE: October 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Johansson, Jan	Stockholm		SE

US-CL-CURRENT: 525/54.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw Desc	Image
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☐ 16. Document ID: US 6770486 B1

L7: Entry 16 of 17

File: USPT

Aug 3, 2004

US-PAT-NO: 6770486

DOCUMENT-IDENTIFIER: US 6770486 B1

TITLE: Optimization of ligand affinity for RNA targets using mass spectrometry

DATE-ISSUED: August 3, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Griffey; Richard	Vista	CA		
Hofstadler; Steven	Oceanside	CA		
Drader; Jared J.	Encinitas	CA		
Lowery; Kristin S.	Vista	CA		
Mohan; Venkatraman	Carlsbad	CA		

US-CL-CURRENT: 436/173; 435/6, 435/7.1, 435/91.2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw Desc	Image
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☐ 17. Document ID: US 6716589 B2

L7: Entry 17 of 17

File: USPT

Apr 6, 2004

US-PAT-NO: 6716589

DOCUMENT-IDENTIFIER: US 6716589 B2

TITLE: Discordant helix stabilization for prevention of amyloid formation

DATE-ISSUED: April 6, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Johansson; Jan	Stockholm			SE

US-CL-CURRENT: 435/7.2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc	Image
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Term	Documents
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MOLECULARS	199
SILICO	3778
SILICOES	0
SILICOS	2
SILICOE	4
MODEL\$	0
MODEL	537131
MODELA	16
MODELAA	3
MODELABBRV	1
((MOLECULAR MODEL\$ SAME SILICO) AND OIL? ).PGPB,USPT.	17

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